Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 23 Dec 2023 until 23:59 on Sunday 24 Dec 2023

Forecast Issued on Saturday 23 Dec 2023 at 04:15

Confidence: High confidence for a continuation of windy conditions, especially Christmas Eve. Winds easing for Boxing Day. Confidence is lower for amount of showers and rainfall over the weekend.

Headline for Saturday 23 Dec 2023: Outbreaks of rain then persistent rain, turning heavy. Gales, hill fog and a severe windchill.

Mountain weather hazards on Saturday 23 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Light rain	Light rain	Light rain	Heavy Rain
Precipitation probability					
40%	20%	40%	80%	80%	80%

Forecast for Saturday 23 Dec 2023

Weather: Outbreaks of rain this morning, especially across western areas. This afternoon the rain will gradually become widespread and persistent, then turning heavy this afternoon. Remaining cloudy and quite dull with gales throughout, perhaps the odd brighter spell towards further east of the Peak District.

Chance of cloud-free hill tops above 600m: 60% in the east, 30% around western hills this morning. Becoming 20% in the east and 10% or less across western areas this afternoon and evening.

Low cloud and visibility: Layers of broken cloud above 500m can be expected around western peaks, while further east low cloud will be patchier with many summits remaining clear, until this evening when overcast cloud around 500m develops. Visibility will also be moderate or poor at times in the west with limited views expected at height, further east better views will be possible.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Saturday 23 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	39/47 W	32/40 W	34/42 W	32/40 W	31/40 SW	35/45 SW	35/45 W
300	28/36 W	25/32 W	26/35 W	24/32 SW	23/31 SW	27/37 SW	27/37 SW
Valley	18/36 W	16/33 W	17/35 W	15/33 W	13/31 SW	16/36 SW	16/34 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/-1	5/-1	6/0	6/-0	6/-0	7/1	8/2
300	8/3	8/3	8/4	8/4	8/3	9/4	10/5
Valley	9/5	8/5	9/5	9/5	8/5	9/6	10/7
Freezing Level*	1400m	1500m	1700m	2200m	2200m	2900m	3100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Another very windy day with gusts 50-55mph across peaks and ridges. Feeling cold in rain and very strong winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 23 Dec 2023	16.6mm	25.2mm	39.2mm

Forecast for Sunday 24 Dec 2023

Weather: Heavy rain at first, this easing later in the night and then clearing south late morning. A few bright spells develop but then turning showery during the afternoon, with the showers often grouping together to give longer spells of rain. Severe gales on and to the east of the higher ground, making progress difficult.

Maximum wind: Southwesterly 40mph with gusts 55-60mph, perhaps isolated 70mph across eastern areas.

Chance of cloud-free hill tops above 600m: 20% or less increasing to 70% during the day.

Low cloud and visibility: Overcast cloud above 500m will lift and clear during the day, perhaps thickening and lowering in showers or any longer periods of rain. Visibility will be moderate or poor initially but will be good out with showers later.

Temperature: **Valleys:** Plus 12 falling to 8 Celsius.
At 600m: Plus 8 falling to 5 Celsius.
Freezing level: Above all summits.

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